

# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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Title of Invention	PRE-COOLER FOR REDUCING CRYOGEN CONSUMPTION
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Application Number :

Confirmation Number:

First Named Applicant: Ravikumar Kudaravalli

Attorney Docket Number: GEMS0204PA

Art Unit:

Examiner:

Search string: ( 5247800 or 5258710 or 5278502 or 5317296 or 5317879 or 5333464 or 5394130 or 5410286 or 5430423 or 54442928 or 5485730 or 5513498 or 5522226 or 5563566 or 5613367 or 5657634 or 5701742 or 5774032 or 5864273 or 5936499 or 6038867 or 6078234 or 6100780 or 6181228 or 6246308 or 6289681 or 6415613 or 6516282 or 6560969 ).pn

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	5247800	1993-09-28	Mruzek			
	2	5258710	1993-11-02	Mruzek			
	3	5278502	1994-01-11	Laskaris			
	4	5317296	1994-05-31	Vemilyea			
	5	5317879	1994-06-07	Goldberg			
	6	5333464	1994-08-02	Laskaris			
	7	5394130	1995-02-28	Xu			
	8	5410286	1996-04-25	Herd			
	9	5430423	1995-07-04	Herd			
	10	54442928	1995-08-22	Laskaris			
	11	5485730	1996-01-23	Herd			
	12	5513498	1996-05-07	Ackermann			
	13	5522226	1996-06-04	Mruzek			
	14	5563566	1996-10-08	Laskaris			
	15	5613367	1997-03-25	Bellantoni			
	16	5657634	1997-08-19	Woods			
	17	5701742	1997-12-30	Eckels			
	18	5774032	1998-06-30	Herd			
	19	5864273	1999-01-26	Dean			
	20	5936499	1999-08-10	Eckels			

	21	6038867	2000-03-21	Einziger			
	22	6078234	2000-06-20	Huang			
	23	6100780	2000-08-08	Dorri			
	24	6181228	2001-01-30	Laskaris			
	25	6246308	2001-07-03	Van Ort			
	26	6289681	2001-09-18	Eckels			
	27	6415613	2002-07-09	Ackermann			
	28	6516282	2003-02-04	Hedlund			
	29	6560969	2003-05-13	Eckels			

**Signature**

Examiner Name	Date